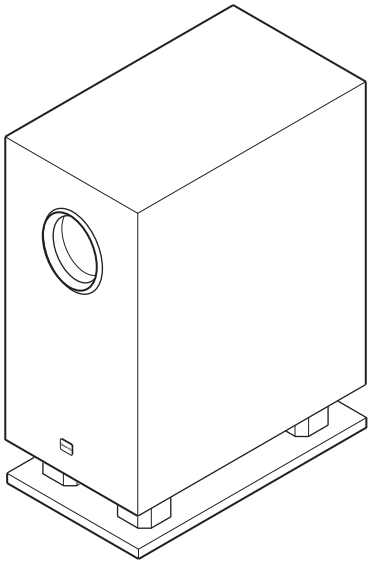
Ref. No. 3753
092002

ONKYO SERVICE MANUAL

POWERED SUBWOOFER
MODEL SKW-100



Black models

DD	120V AC, 60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

ONKYO®
IMAGINATIVE SIGHT & SOUND

SPECIFICATION

Type	Bass-reflex with built-in power amplifier
Frequency response	30 Hz-150 Hz
Output power	150 W Dynamic
Input sensitivity	220 mV
Input impedance	15 kΩ
Woofer	8 inch cone type
Power supply	AC120V, 60Hz
Power consumption	75 W
Dimensions (WxHxD)	9-1/4" x 20-5/16" x 16-3/16" / 235 x 516 x 411 mm
Weight	29.1 lbs. / 13.2 kg

Specifications and appearance may subject to change for improvement without prior notice.

SERVICE PROCEDURES

1. Replacing the fuse

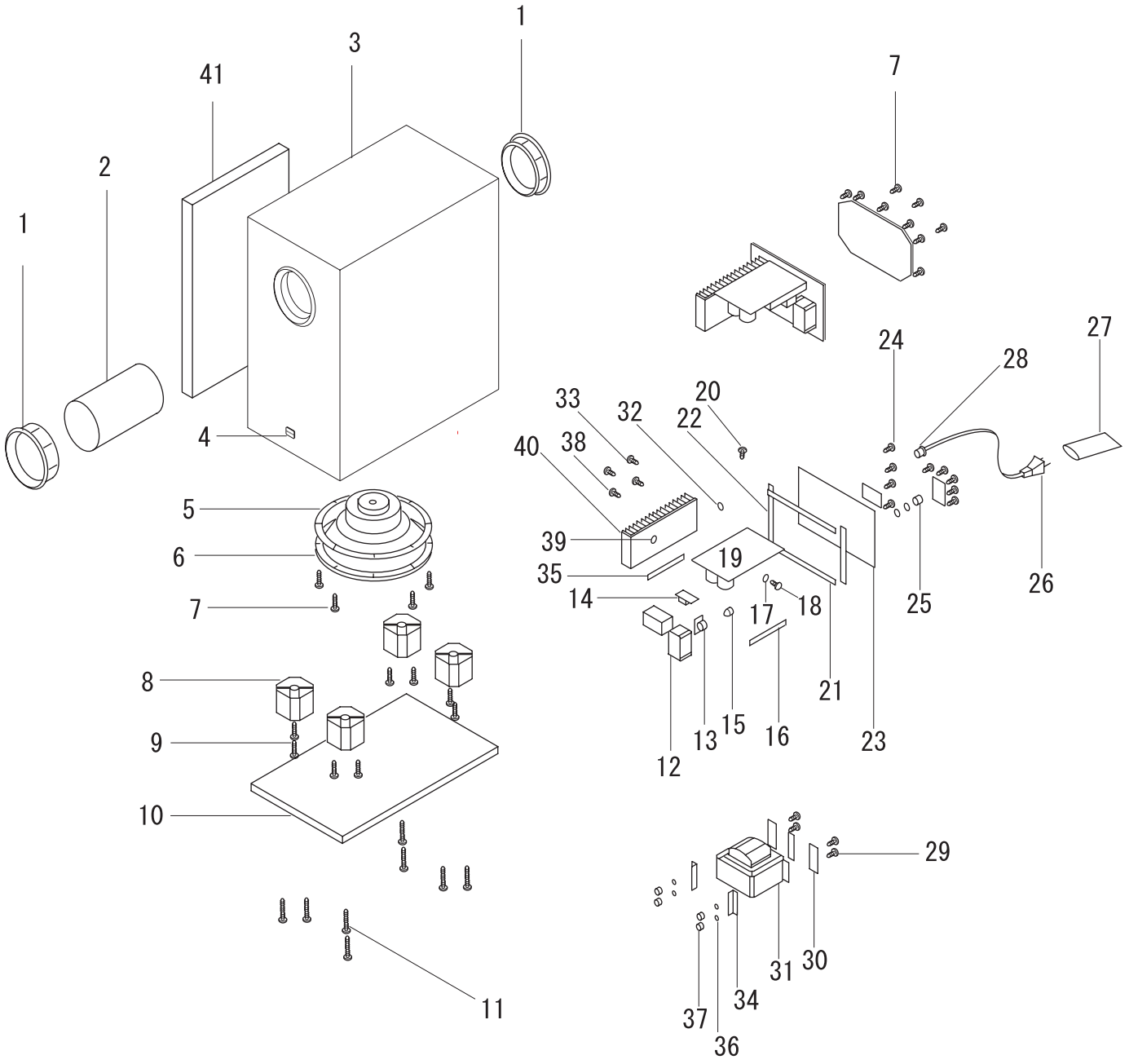
This symbol located near the fuses indicates that the fuse used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating refer to the marking adjacent to the symbol.

Ce symbole indique que le fusible utlise est a rapide. Pour une protection permanente, n'untiliser que fusibles de meme type. Ce darnier est la qu le present symbol est appse.

CIRCUIT NO.	PART NO.	DESCRIPTION
F902,903	HWF1180406100	T4AL/250V, Fuse

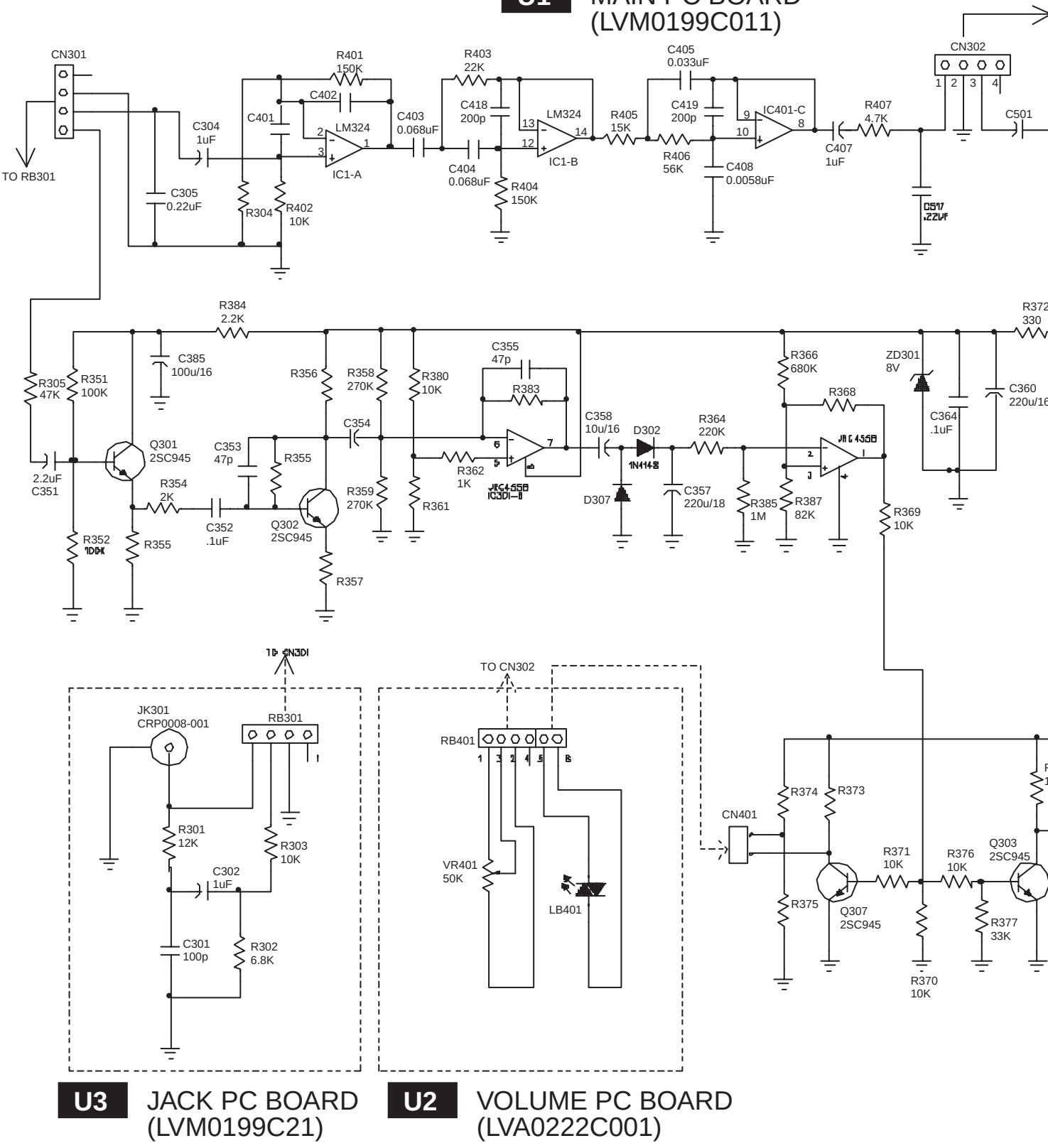
A	B	C	D

EXPLODED VIEW



SCHEMATIC DIAGRAM

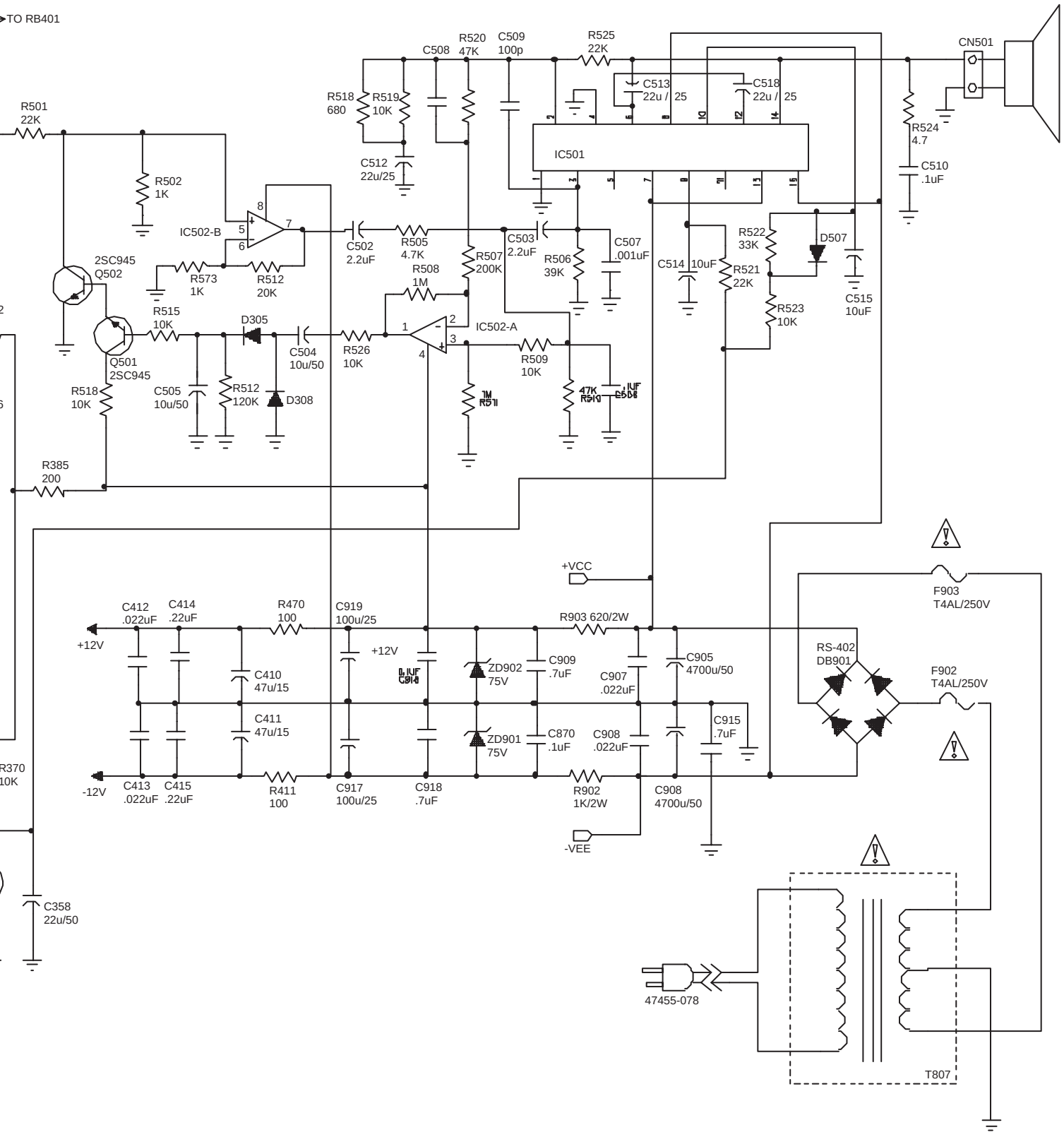
U1 MAIN PC BOARD (LVM0199C011)



U3 JACK PC BOARD (LVM0199C21)

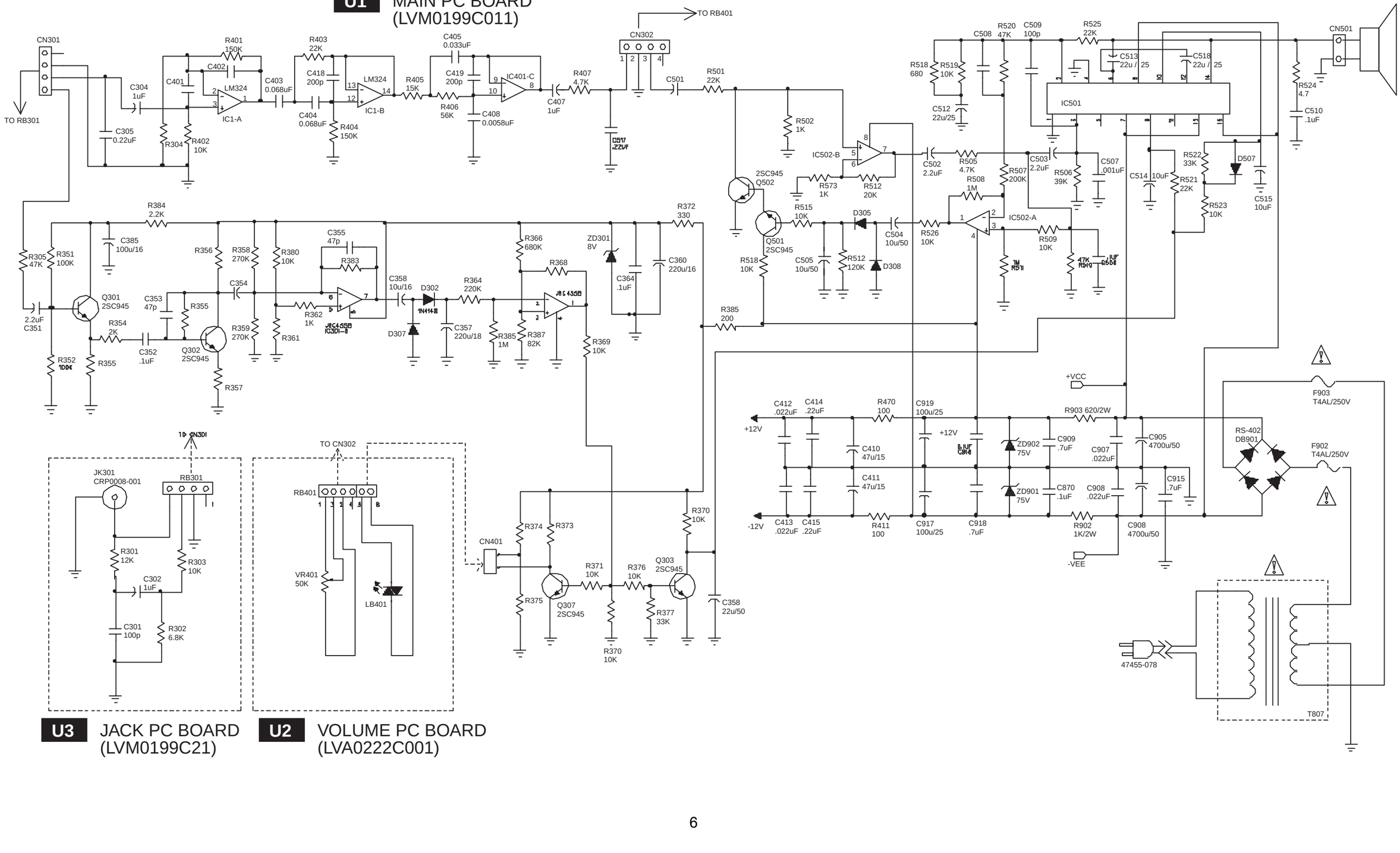
U2 VOLUME PC BOARD (LVA0222C001)

E F G H


TO RB401
R501 22K
R502 1K
IC502-B
2SC945 Q502
R573 1K
R512 20K
R515 10K
D305
Q501 2SC945
R518 10K
C505 10u/50
R512 120K
D308
C504 10u/50
R526 10K
R385 200
C358 22u/50
C508
R520 47K
C509 100p
R518 680
R519 10K
C512 22u/25
R525 22K
C513 22u / 25
C518 22u / 25
IC501
CN501
R524 4.7
C510 .1uF
C502 2.2uF
R505 4.7K
R508 1M
R507 200K
C503 2.2uF
R506 39K
C507 .001uF
IC502-A
R509 10K
C514 10uF
R521 22K
R522 33K
D507
R523 10K
C515 10uF
+VCC
C412 .022uF
C414 .22uF
R470 100
C919 100u/25
R903 620/2W
+12V
C410 47u/15
C411 47u/15
ZD902 75V
C909 .7uF
C907 .022uF
C905 4700u/50
ZD901 75V
C870 .1uF
C908 .022uF
C915 .7uF
-12V
C413 .022uF
C415 .22uF
R411 100
C917 100u/25
C918 .7uF
R902 1K/2W
C908 4700u/50
-VEE
F903 T4AL/250V
RS-402 DB901
F902 T4AL/250V
47455-078
T807

SCHEMATIC DIAGRAM

U1 MAIN PC BOARD (LVM0199C011)



U3 JACK PC BOARD (LVM0199C21)

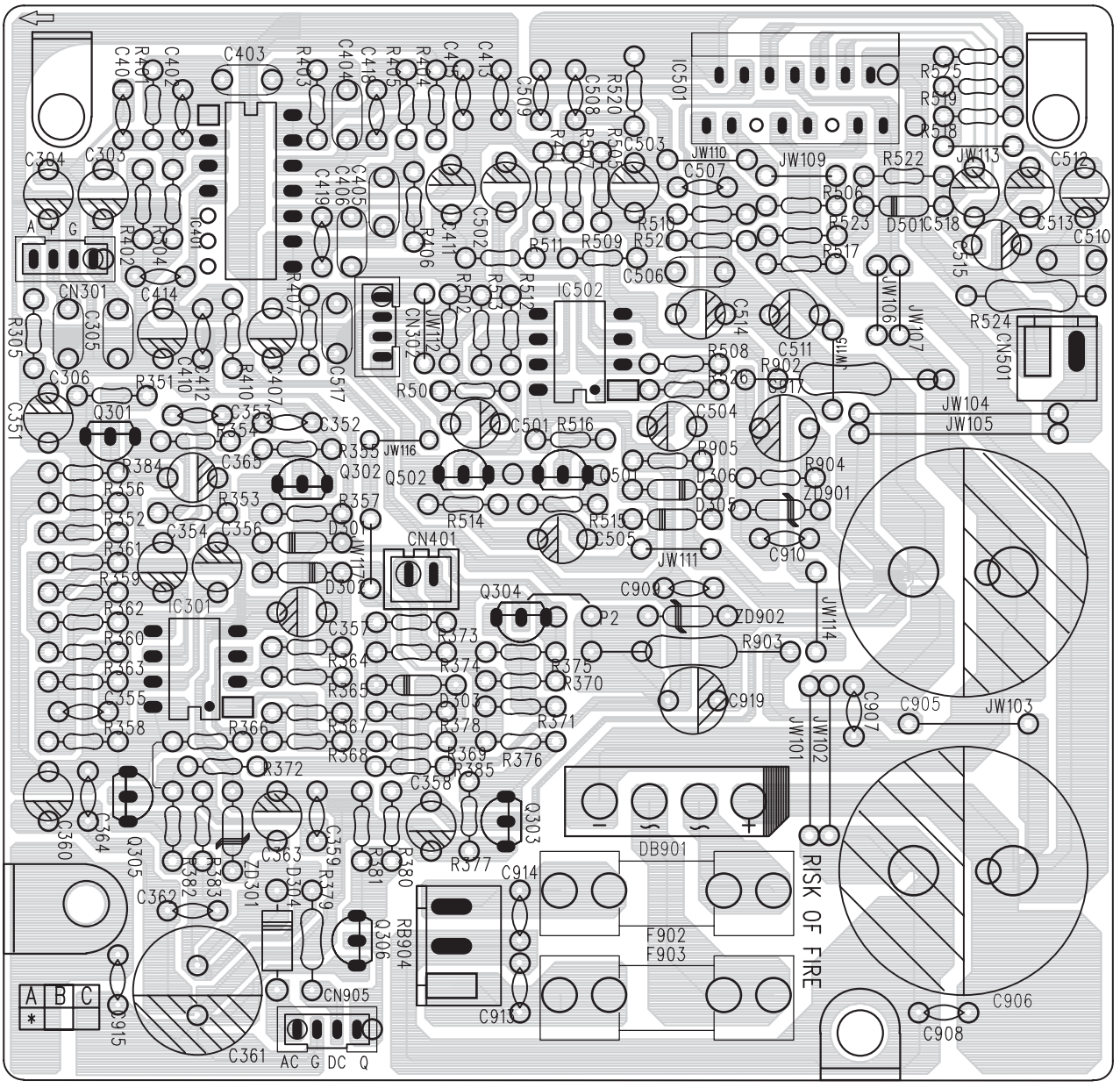
U2 VOLUME PC BOARD (LVA0222C001)

A B C D

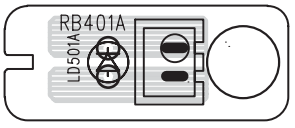
1 2 3 4 5

PRINT CIRCUIT BOARD VIEW

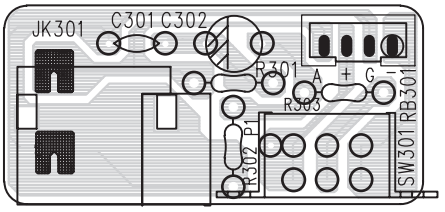
U1 MAIN PC BOARD
(LVM0199C011)



U2 VOLUME PC BOARD
(LVM0199C021)



U3 JACK PC BOARD
(LVA0222C001)



SKW-100

Ref. No.	Part No	Description
1	BPR0018C001	Pote tube
2	DPP9630-158	Paper duct
3	EVM056C001	Wood box
4		Logo
5	IVE0037-001	Sponge
6	FSWA080-312	SPK driver
7	H011109-316	Screw
8	BPE0007C001	Foot
9	H011708-325	Screw
10	EVB0001C001	Wood board
11	H011708-370	Screw
12	BPC0021-001	Rear cover
13	APE0222C001	VR/LED ass'y
14	APE0199CC23	Jack ass'y
15	DLH0014-002	LED holder
16	GSE0117C001	PCB BKT
17	DSS0007-002	Washer
18	H121003-310	Screw
19	APE0199CD13	PCB ass'y
20	H121009-308	Screw
21	IVE0183C001	Sponge
22	IVE0182C001	Sponge
23	GSP0047C001	Rear plate
24	H121009-312	Screw
25	BPK5018-003	Volume knob
26	47455-D65	Line cord
27	IVP0001-003	Polybag
28	DBU3050-110	Bushing
29	H110504-325	Screw
30	ICU0007-001	Rubber pad
31	TT11201C012	PWR trans
32	HWF8040-010	Washer FIB
33	H110303-308	Screw
34	GSE0110-001	Bracket
35	GSE0206-001	PCB bracket
36	HWT8540-110	Washer
37	HNM4070-130	Nut
38	H110303-314	Screw
39	GSE0093-002	PCB bracket
40	GAL0044C002	Heat sink
	2210746	**2SC945**
	RHI4558-001	**JRC4558D**
	RHI0324-001	**LM324N (14 PIN)**
	RHI7293-001	**TDA7293 (15 PIN)**
41		Sound absorber

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